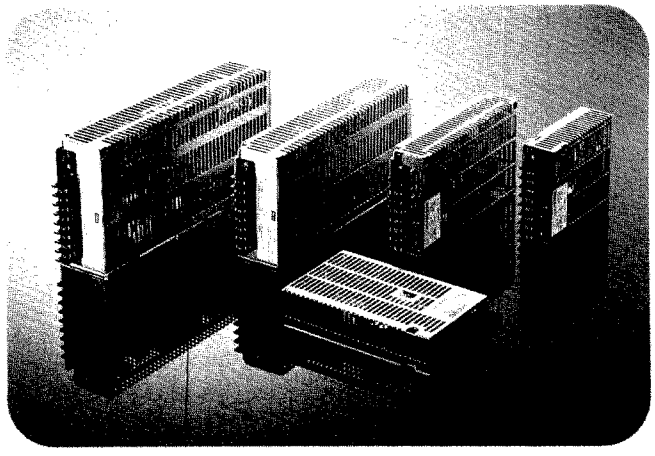
Volgen *Quality First*



ERK SERIES

Triple Output Models-CE MARK

Features:

- **15W, 30W, & 50W &70W Dual Models**
- Universal Input (AC85-264V)
- International Safety Approvals (UL, CSA, TUV)
- EMI FCC Class B
- Metal Chassis with Cover
- Internal EMI Filter
- High Reliability
- Low Cost, High Performance
- Three Year Warranty

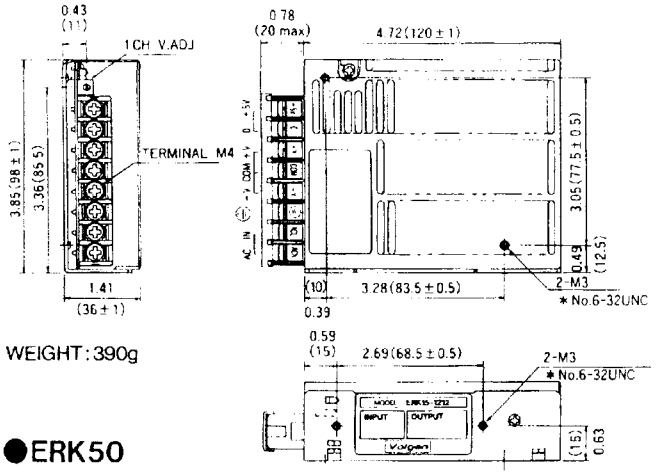
Specifications:	
INPUT VOLTAGE	AC100 - 120/200-240V (AC85 to 264V) (DC110-340V)
INPUT FREQUENCY	50/60 Hz (47 ~ 63 Hz)
INPUT CURRENT(AC100/240V)	ERK15 .4/.2A Typ; ERK30 .75/.38A Typ; ERK50 1.2/.55 Typ; ERK70 1.7/.8A Typ
INRUSH CURRENT(AC100/240V)	ERK15 12/28A Max.; ERK50 20/45A Max.; ERK70 18/40A Max.
VOLTAGE ADJUST RANGE	CH1: +5%, -0%, CH2: Fixed (Factory Set Accuracy +/-5%)
LINE REGULATION	0.4% Max
LOAD REGULATION	ERK15,30 CH1:0.8% Max., CH2, CH3: 100mVp-p; ERK50,70 CH 1:0.8% Max., CH2, CH3:1% Vp-p
RIPPLE NOISE (DC ~ 100MHZ)	ERK15,30 CH1:80MV-P Max., CH2,CH3:100mVp-p; ERK50,70 CH1:100mVp-pMax.,CH2,CH3:150mVp-p
OVER VOLTAGE PROTECTION	Built-In
OVER CURRENT PROTECTION	Built-In (5V output only)
TEMPERATURE COEFFICIENT	ERK 15 0.02%/C°, ERK30,50,70 CH1, CH2: 0.02%/C°,CH3:0.04%/C°
DRIFT	0.5%+15mV (8 hours after 1 hour warm-up)
HOLD UP TIME	20m sec. Min.
RISE TIME	200m sec. Max.
DIELECTRIC WITHSTANDING VOLTAGE	Primary to Secondary AC 3750V Primary to Case AC 3750V (1 min Cut off current) Secondary to Case AC 500V
ISOLATION RESISTANCE	Input - Output - Case 100Mohms Min. (DC500V)
LEAKAGE CURRENT	0.7 mA MAX.
OPERATING TEMPERATURE 0°C to +50°C DERATING CURVE	[ERK15,30] With Cover: 100%, 65, 0; 0, 40, 50; Output Current; Ambient Temperature [ERK15,30] Without Cover: 100%, 60, 0; 0, 50, 60; Output Current; Ambient Temperature [ERK50,70] With Cover: 100%, 60, 0; 0, 40, 50; Output Current; Ambient Temperature [ERK50,70] Without Cover: 100%, 60, 0; 0, 50, 60; Output Current; Ambient Temperature
STORAGE TEMPERATURE	-20°C - 85° C
SHOCK TEST PROCEDURES	Vibration: 0.5mm width, 10 - 55 Hz / 1 min. cycle, 3 directions each 30 minutes Shock: 20G (3 directions each 3 times)
SAFETY	UL 1950 CSA E.B. 1402C, EN60950:1992
WARRANTY	3 Years

STANDARD UNITS

	MODEL	Output 1		Output 2		Output 3	
		VOLT	AMPS	VOLT	AMPS	VOLT	AMPS
15W	ERK15U-1212	+5V	0.3-2.0A	+12V	0.3A	-12V	0.3A
	ERK15U-1515	+5V	0.3-2.0A	+15V	0.3A	-15V	0.3A
30W	ERK 30U-1212	+5V	0.5-4.0A	+12V	2.0A	-12V	0.5A
	ERK 30U-1515	+5V	0.5-4.0A	+15V	1.2A	-15V	0.7A
50W	ERK 50U-1212	+5V	0.7-6.0A	+12V	2.5A	-12V	0.5A
	ERK 50U-1515	+5V	0.7-6.0A	+15V	1.2A	-15V	1.2A
70W	ERK 70U-1212	+5V	1.0-8.0A	+12V	2.5A	-12V	1.0A
	ERK 70U-1515	+5V	1.0-8.0A	+15V	1.5A	-15V	1.5A

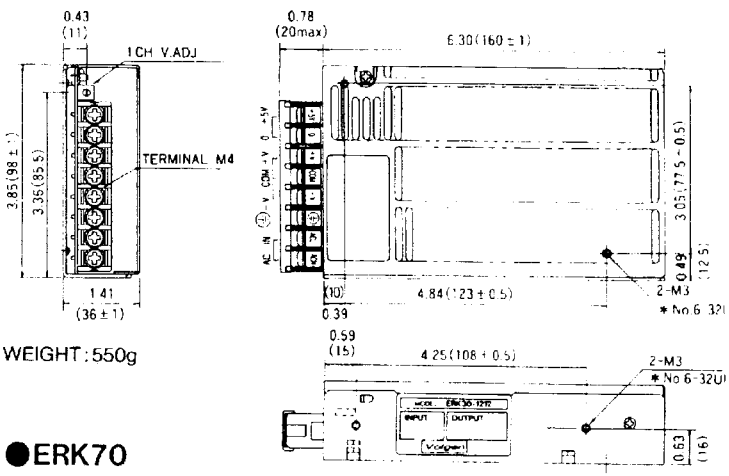
*TOTAL OUTPUT WATTAGE: ERK15U(16W MAX), ERK30U(30W MAX), ERK50U(50W MAX), ERK70U(70W MAX)

●ERK15



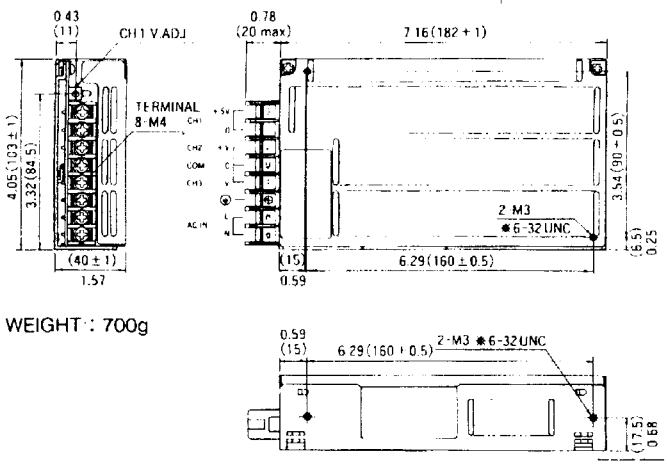
WEIGHT:390g

●ERK30



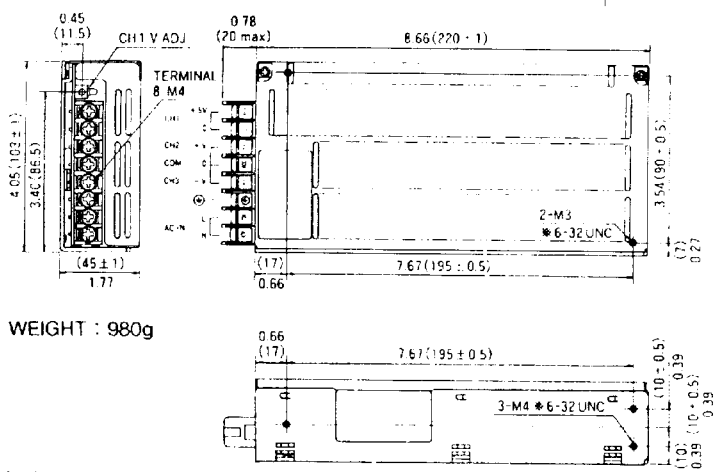
WEIGHT:550g

●ERK50



WEIGHT: 700g

●ERK70



WEIGHT : 980g

UNIT: Inch(mm)